AMENDMENTS TO THE CLAIMS

1. - 20. (canceled)

21. (new) An isolated nucleic acid consisting of 18 to 120 nucleotides wherein the sequence of the nucleic acid comprises:

(a) at least 18 consecutive nucleotides of SEQ ID NO: 2194;

(b) an RNA equivalent of (a);

(c) a sequence at least 56/69 identical to (a) or (b); or

(d) the complement of any one of (a)-(c).

22. (new) The nucleic acid of claim 21, wherein the at least 18 nucleotides comprises the sequence of SEQ ID NO: 5264.

23. (new) The nucleic acid of claim 21, wherein the nucleic acid consists of 18 to 24 nucleotides.

24. (new) The nucleic acid of claim 21, wherein the sequence of the nucleic acid consists of:

(a) SEQ ID NO: 2194;

(b) an RNA equivalent of (a);

(c) a sequence at least 56/69 nucleotides identical to (a) or (b); or

(d) the complement of any one of (a)-(c).

25. (new) The nucleic acid of claim 24, wherein the at least 18 nucleotides comprises the sequence of SEQ ID NO: 5264.

26. (new) The nucleic acid of claim 24, wherein the nucleic acid consists of 18 to 24 nucleotides.

27. (new) The nucleic acid of claim 22, wherein the nucleic acid is an RNA.

28. (new) The nucleic acid of claim 25, wherein the nucleic acid is an RNA.

29. (new) The nucleic acid of claim 27, wherein the nucleic acid is capable of modulating expression of a target gene.

30. (new) The nucleic acid of claim 28, wherein the nucleic acid is capable of modulating expression of a target gene.

31. (new) The nucleic acid of claim 29, wherein the nucleic acid is at least 14/21 complementary to a binding site sequence of 18 to 24 nucleotides of a target gene and wherein the binding site sequence is located in an untranslated region of RNA encoded by the target gene.

32. (new) The nucleic acid of claim 30, wherein the nucleic acid is at least 14/21 complementary to a binding site sequence of 18 to 24 nucleotides of a target gene and wherein the binding site sequence is located in an untranslated region of RNA encoded by the target gene.

33. (new) A vector comprising an insert, wherein the insert consists of the nucleic acid of claim 21.

34. (new) A vector comprising an insert, wherein an insert consists of the nucleic acid of claim 24.

35. (new) A probe comprising insert, wherein an insert consists of the nucleic acid of claim 21.

36. (new) A probe comprising an insert, wherein an insert consists of the nucleic acid of claim 24.

37. (new) A gene expression inhibition system comprising the vector of claim 33 and a means for inserting said vector into a cell.

38. (new) A gene expression inhibition system comprising the vector of claim 34 and a means for inserting said vector into a cell.

39. (new) A gene expression detection system comprising the probe of claim 35 and a gene expression detector functional to selectively detect expression of at least one gene.

40. (new) A gene expression detection system comprising the probe of claim 36 and a gene expression detector functional to selectively detect expression of at least one gene.